

SINGLE LAYER CAPACITOR

Abstract of the Disclosure

A monolithic or essentially monolithic single layer capacitor with high structural strength and capacitance, a printed circuit board having the capacitor mounted thereon, and a method of making. Sheets of green-state ceramic dielectric material and
5 glass/metal composite material are laminated together, diced into individual chips, and fired to sinter the glass and the ceramic together. The composite material contains an amount of metal sufficient to render the composite conductive whereby the composite may be used for one or both electrodes and for mounting the capacitor to the printed circuit board. Vertically-oriented surface mountable capacitors and hybrid capacitors
10 are provided.